(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 21 April 2005 (21.04.2005)

(10) International Publication Number WO 2005/036893 A2

(51) International Patent Classification7:

H040

(21) International Application Number:

PCT/KR2004/002569

(22) International Filing Date: 8 October 2004 (08.10.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0070499 10 October 2003 (10.10.2003)

(71) Applicants (for all designated States except US): ELEC-TRONICS AND TELECOMMUNICATIONS RE-SEARCH INSTITUTE [KR/KR]; 161, Gajeong-dong, Yuseong-gu, Daejon-si 305-350 (KR). INTERJUNGBO CO., LTD [KR/KR]; 999-6, Daechi-dong, Gangnam-gu, Seoul 135-280 (KR). RESEARCH AND INDUSTRIAL COOPERATION GROUP [KR/KR]; 119 Munjiro Yuseong-gu, Daejon-si 305-714 (KR).

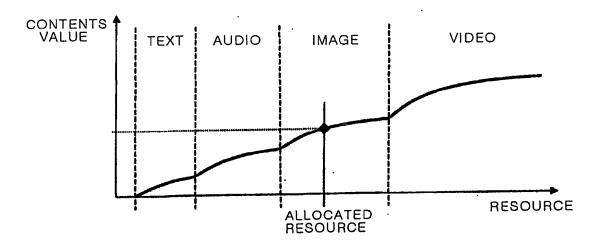
(72) Inventors; and

(75) Inventors/Applicants (for US only): RO, Yong-Man [KR/KR]; 816-1102, Saemirae 8 Apt., Nouen-dong, Yuseong-gu, Daejon-si 305-325 (KR). TRUONG, Cong, Thang [KR/KR]; Image and video system Lab., Information and, communications University Educational Foundation, 103-6, Munji-dong, Yuseong-gu, Daejon-si, 305-714 (KR). HONG, Jin-Woo [KR/KR]; 130-702 Hanbit Apt., Euen-dong, Yuseong-gu, Daejon-si 305-755 (KR). KIM, Jae-Gon [KR/KR]; 203-402 Saemmeori Apt., Dunsan-dong, Seo-gu, Daejon 302-777 (KR). NAM, Je-Ho [KR/KR]; 119-33, Yonheel-dong, Seodaemun-gu, Seoul 157-909 (KR).

- (74) Agent: KIM, Myung-Shin; Myung-Shin & Partners International, Patent & Trademark Office,, 12 Fl., Jindo Bldg., 37, Dowha-dong, Mapo-gu,, Seoul 121-040 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR CONVERTING THE MODALITY OF MULTIMEDIA CONTENTS TO SUP-PORT THE QUALITY OF SERVICE ACCORDING TO MEDIA RESOURCE



(57) Abstract: The present invention relates to modality conversion for supporting Quality of Service (QoS) according to media resources, which includes the steps of receiving a modality conversion descriptor in which the characteristics of the modality conversion of the multimedia contents are described, receiving the multimedia contents, and converting the modality of the multimedia contents into a modality determined according to a media resource and the modality conversion descriptor. According to the present invention, a systematic approach to a design for an overlap content value model is provided so that the conversion boundaries between modalities can be quantitatively calculated. As a result, the correlation between various modalities can be established in a single model, and modality conversion supporting the optimal QoS can be performed.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.